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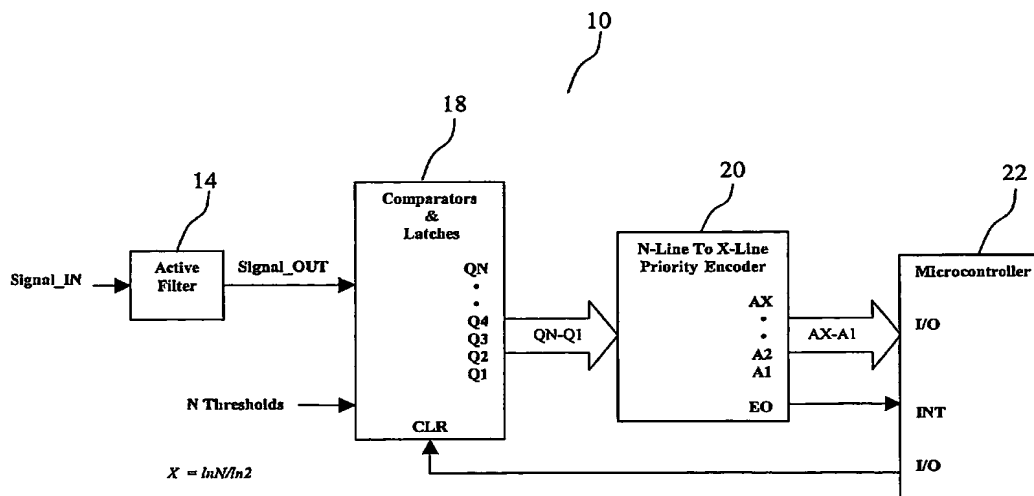
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(54) Title: A PULSE HEIGHT ANALYSER



(57) Abstract: The present invention relates to a pulse height analyser for determination of the pulse height distribution of electronic pulses comprising a set of comparators with a common input for analogue to digital conversion of the electronic pulses, a set of latches wherein the inputs of the latches are connected to the outputs of respective comparators for recording passage of the corresponding threshold voltages by the rising edge of a pulse, a priority encoder connected to the latch outputs for determination of a pulse height category consisting of pulses with a pulse height within a pulse height interval defined by respective threshold voltages, and a micro controller that is adapted to count the number of pulses within each pulse height category.